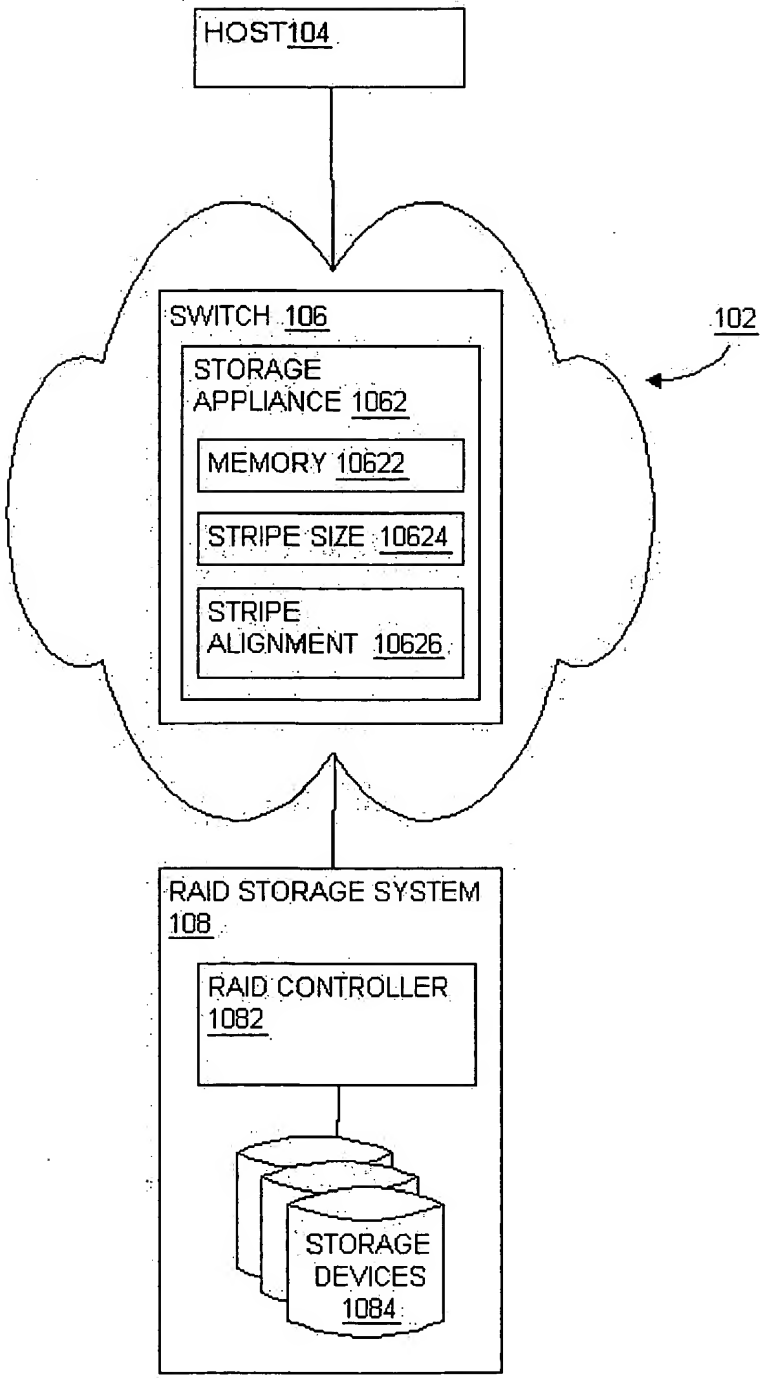
HOST104
SWITCH 106
102
STORAGE APPLIANCE 1062
MEMORY 10622
STRIPE SIZE 10624
STRIPE ALIGNMENT 10626
RAID STORAGE SYSTEM 108
RAID CONTROLLER 1082
STORAGE DEVICES 1084

FIGURE 1

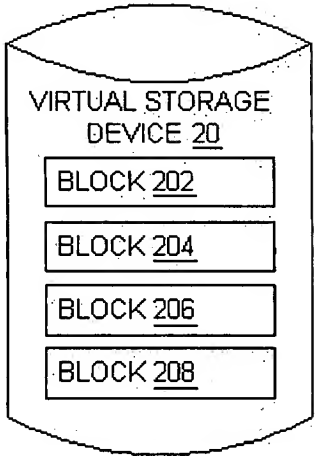

FIGURE 2

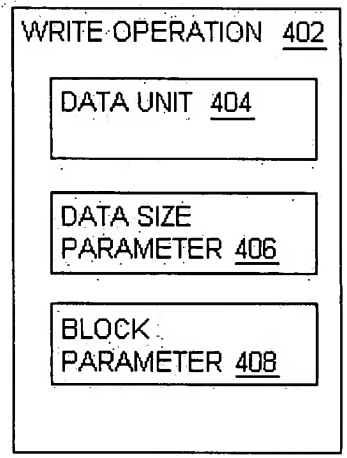

FIGURE 4

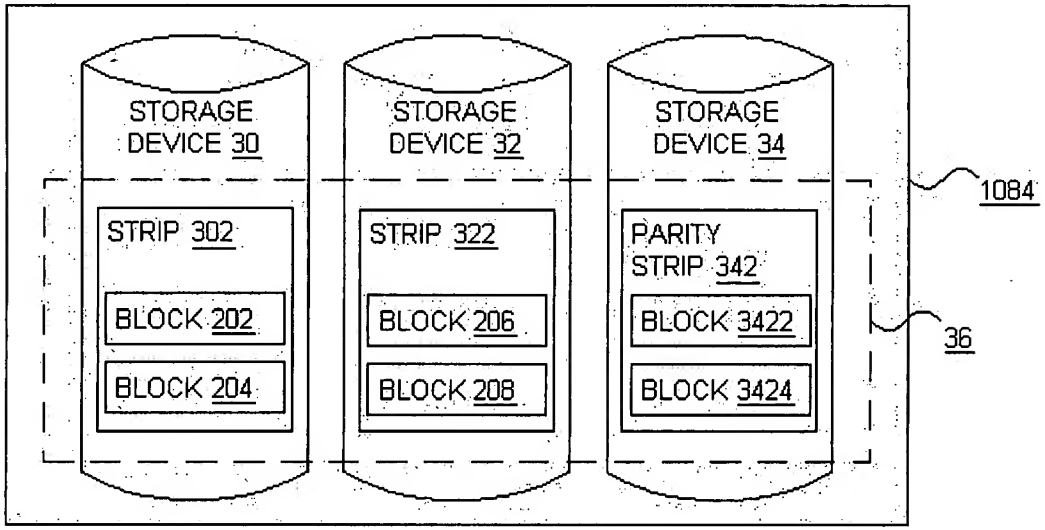

FIGURE 3

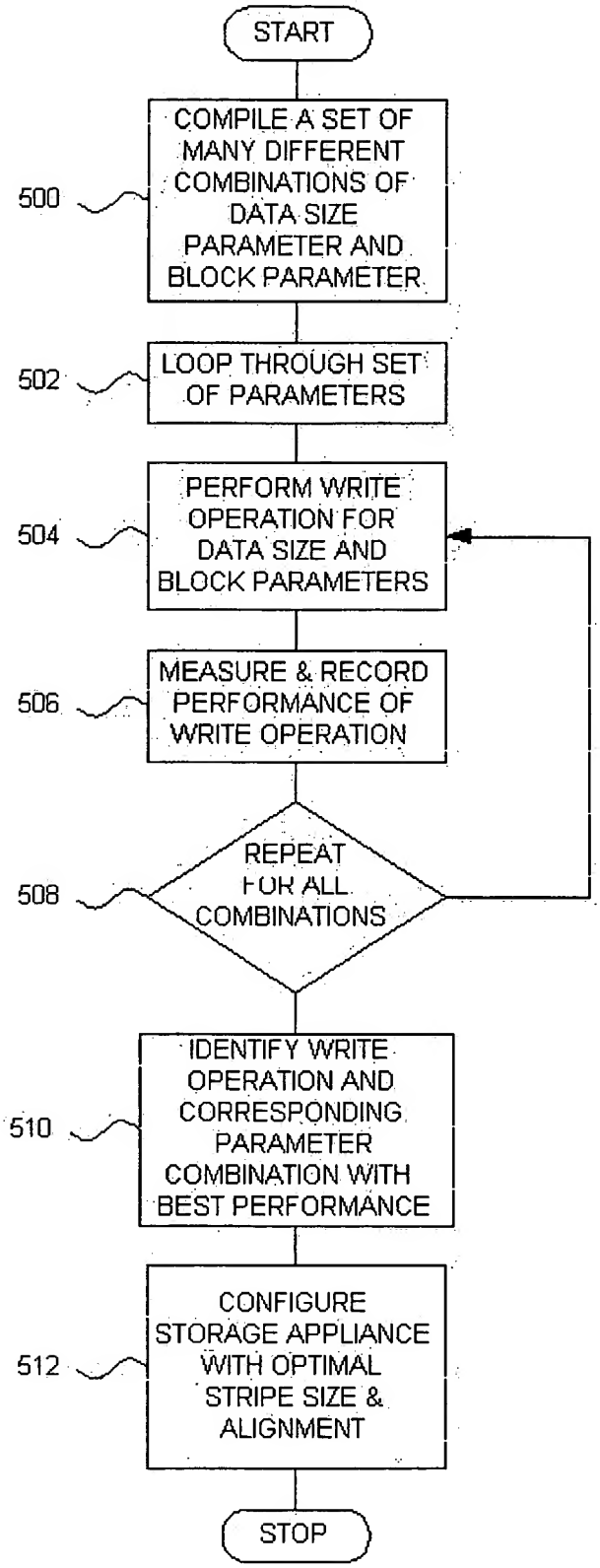
START
COMPILE A SET OF MANY DIFFERENT COMBINATIONS OF DATA SIZE PARAMETER AND BLOCK PARAMETER
500
LOOP THROUGH SET OF PARAMETERS
502
PERFORM WRITE OPERATION FOR DATA SIZE AND BLOCK PARAMETERS
504
MEASURE & RECORD PERFORMANCE OF WRITE OPERATION
506
REPEAT FOR ALL COMBINATIONS
508
IDENTIFY WRITE OPERATION AND CORRESPONDING PARAMETER COMBINATION WITH BEST PERFORMANCE
510
CONFIGURE STORAGE APPLIANCE WITH OPTIMAL STRIPE SIZE & ALIGNMENT
512
STOP

FIGURE 5